

DISPLAY PANELS AND METHODS AND APPARATUS FOR DRIVING THE SAME

ABSTRACT OF THE DISCLOSURE

Methods and apparatus for mitigating or substantially eliminating pixel burn-in on phosphor-based display panels. A visual display includes a display installation and a computer. The display installation may include a display panel having including a plurality of pixels each with a bit depth and an interface for receiving a video input and for driving the display panel. The computer is configured to determine a primary burn value for each of the pixels for a primary period of time, and to determine a secondary burn value for each of the pixels for a secondary period of time. The computer determines the secondary burn values such that when a pixel is driven at the secondary burn value thereof for the secondary period of time, an average value of the pixel for the primary and secondary periods of time is approximately equal to one-half of the bit depth of the pixel.